

LED

Sport indoor led light solutions



TENNIS VOLLEY SOCCER BASKET

gooled[®]
INDUSTRY

Made in Italy  

LED

Why choose gooled solutions

LED

Ariel 240W Technical Features



WHERE & WHY

In the SPORT sector, the led-lighting system study from gooled called ARIEL is able to fully meet all lighting requirements from the amateur to the professional category, even where television shooting requires significant lighting levels as HDTV.

HIGH EFFICIENCY AND LONG LIFE SPAM UP TO 70,000 HOURS

High light flux up to 122 lm /W, and thanks to the low working temperatures lower than 55°C it guarantee a life spam upper than 70,000 hours, maintaining a luminous flux emitted higher than 70% after that time.

NO MAINTENANCE - SAVING MAINTENANCE COSTS

The Led system does not provide for maintenance or replacement of LED modules.

SAVE ENERGY

Simply replacing the old conventional light systems fluorescence (NEON) it is possible to save more than 60% of energy. Additional energy saving in case of use of the luminous flux management systems.(DALI dimmer)

FAST RETURN ON INVESTMENT (ROI)

With a modest initial investment, ROI occurs around two/tree years, although in some case the payback is even faster.

Design and functionality

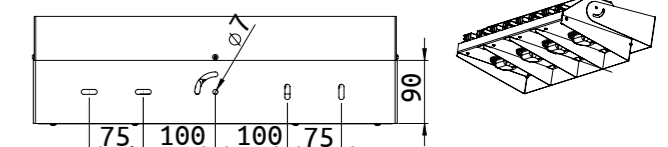
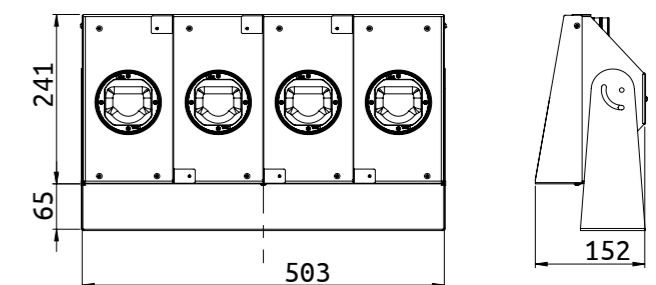
The product line Ariel has been design to provide a modular and cheepest light solution, having an high light efficiency together with high reliability for indoor, outdoor sport facilities.

4 Module x 60W

The Ariel projector contain 4 different led high efficiency modules with CREE led technology. The total power consumption is 240W for a flux light output of 27000lm

4 Version Assimetric lens

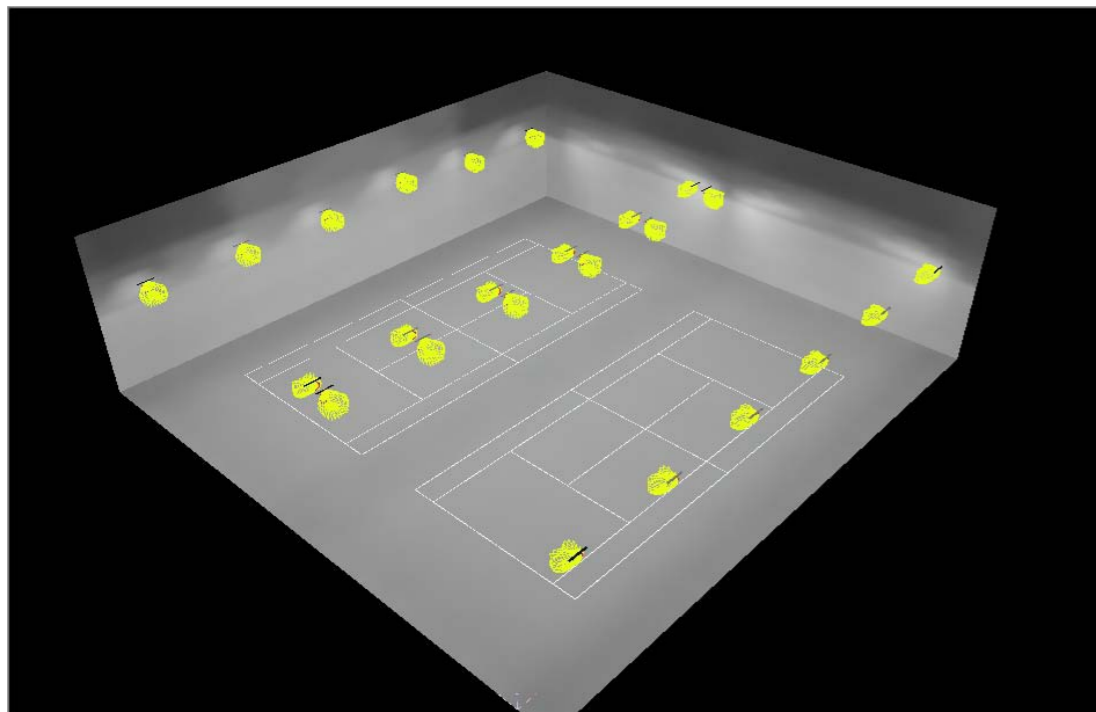
The system use special silicon optics with four different gradation to obtain different field projections. Depending on the type of sport hall and the positioning of the projectors, the most suitable lens will be used.



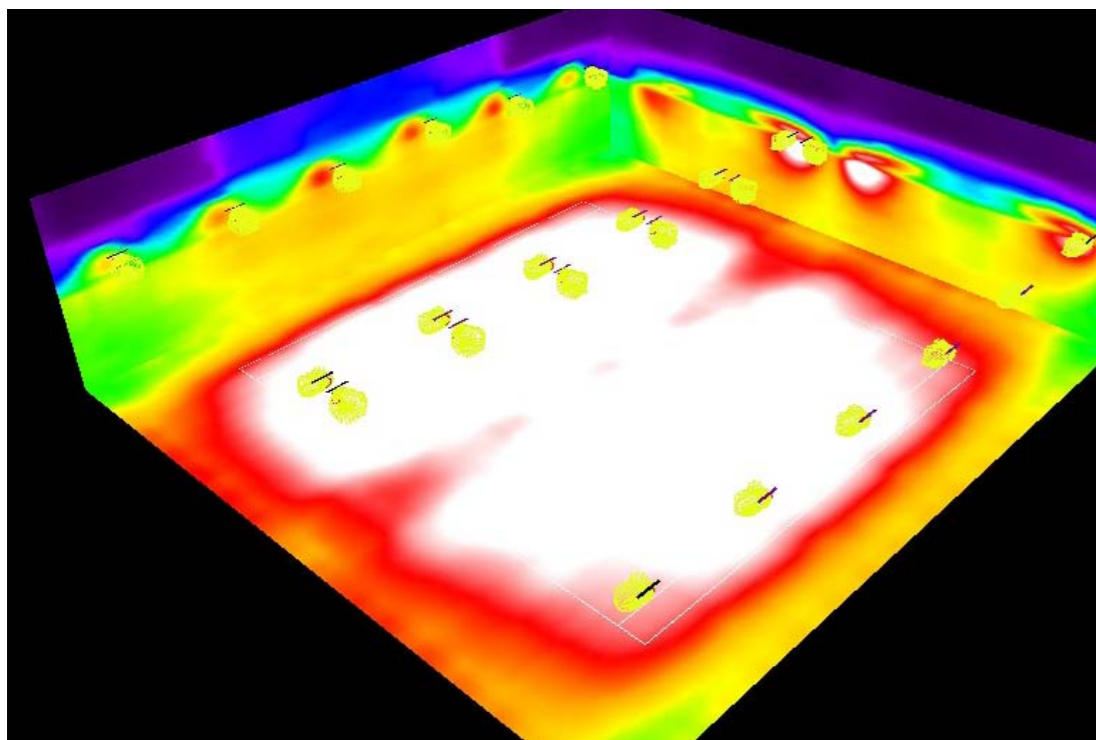
Made in Italy 

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An adequate lighting simulation in the design phase achieves the required lighting values by calculating the correct number of lamps and checking the light distribution, uniformity in the field, and glare values.



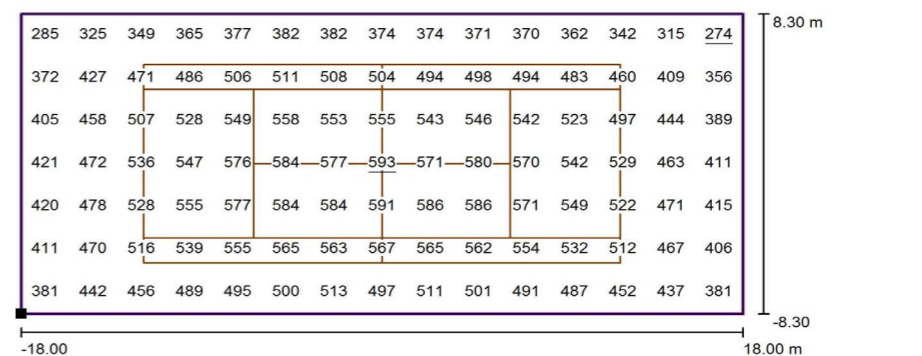
Lamps position



Light distribution

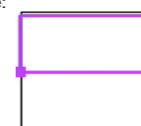
LUX LEVEL AND LIGHT UNIFORMITY

In linea passo 6m / Tennis 1 Calculation Grid (PA) / Grafica dei valori (E, perpendicolare)



Valori in Lux, Scala 1 : 258

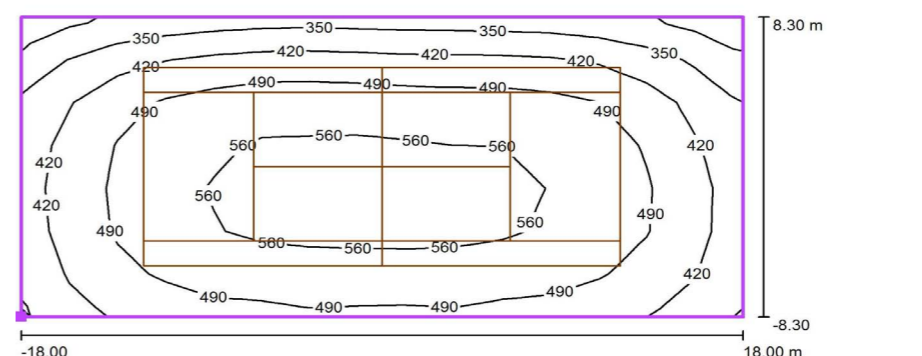
Posizione della superficie nel locale:
Punto contrassegnato: (-0.260 m, 14.539 m, 0.000 m)



Reticolo: 15 x 7 Punti

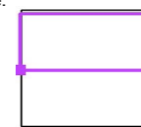
E_m [lx]	E_{min} [lx]	E_{max} [lx]	E_{min} / E_m	E_{min} / E_{max}
482	274	593	0.57	0.46

In linea passo 6m / Tennis 1 Calculation Grid (PA) / Isolinee (E, perpendicolare)



Valori in Lux, Scala 1 : 258

Posizione della superficie nel locale:
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Reticolo: 15 x 7 Punti

E_m [lx]	E_{min} [lx]	E_{max} [lx]	E_{min} / E_m	E_{min} / E_{max}
482	274	593	0.57	0.46

Technical data.

Code Type	GL3152#04
Led Source	CREE
Power	240W
Light Flux	26.919lm
Efficiency led	122lm/W
Colour temperature	4000°K-5000°K
CRI	>80
Life time L70B50	70.000 ore
Ambient Temperature	25°

Working temperature	10°C-40°C
Driver	Meanweel
Input Voltage	230-240Vac 50/60Hz
Adjustment	DALI -PWM diimmer
Optics	Lens asymeric
Finishing	Balck
Installation type	Suspended
Optional	Emergency module

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